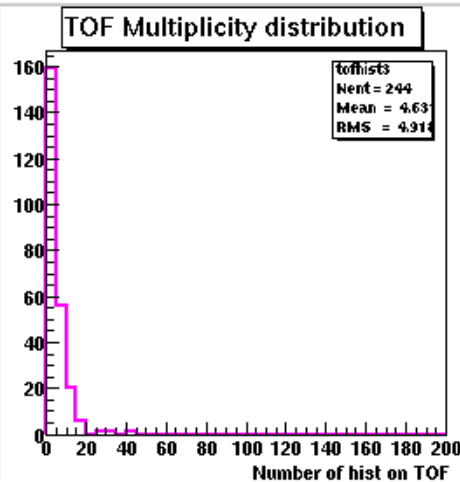
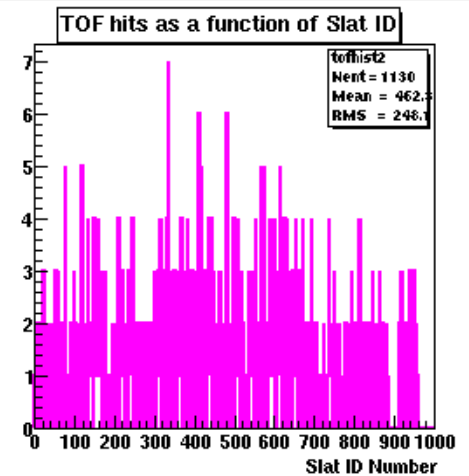
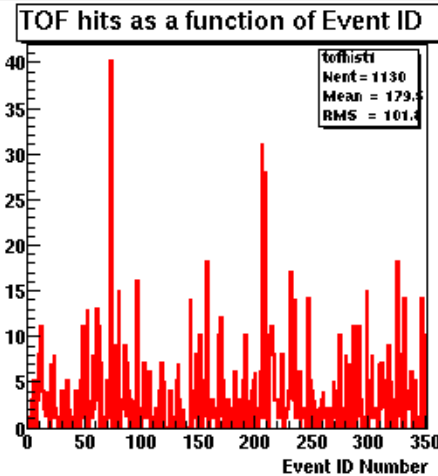


# TOF data to detect collisions

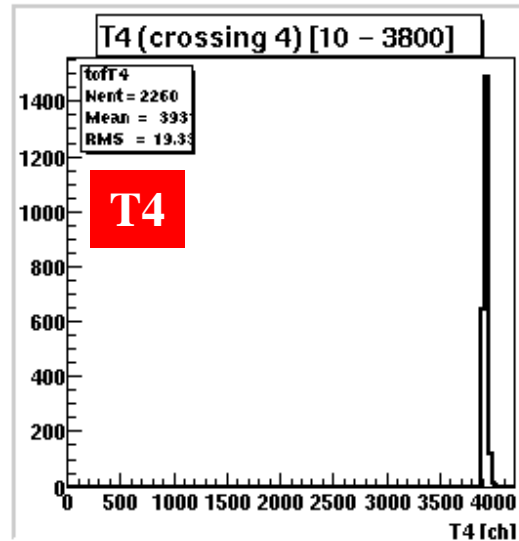
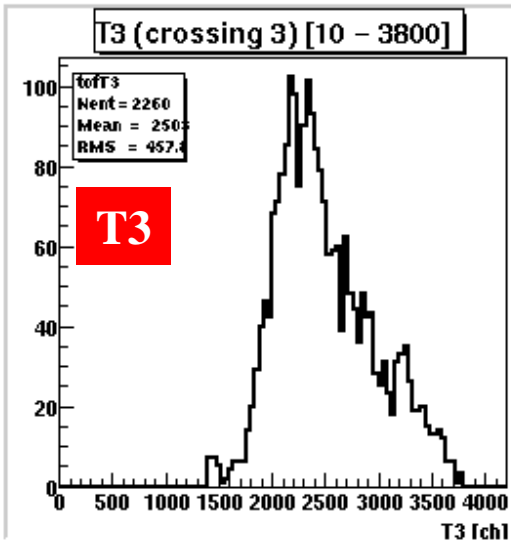
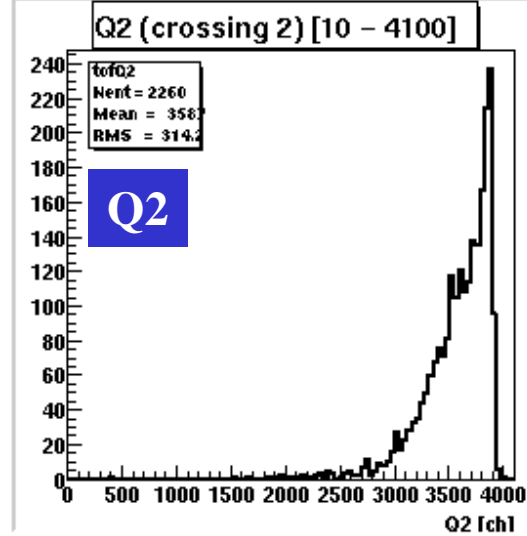
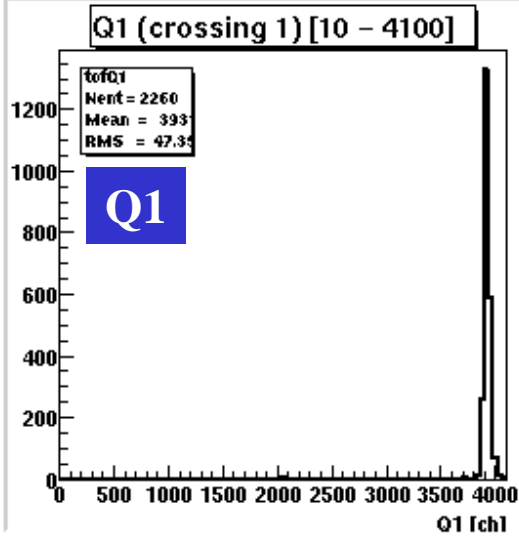
**Run # 4177** (6/13 17:19 after timing adjustment)  
**Trigger : BBN.BBS & ZDCN.ZDCS**

- Number of hits on TOF
  - event ID
  - slat ID (# of slats 960)
- TOF Multiplicity distribution

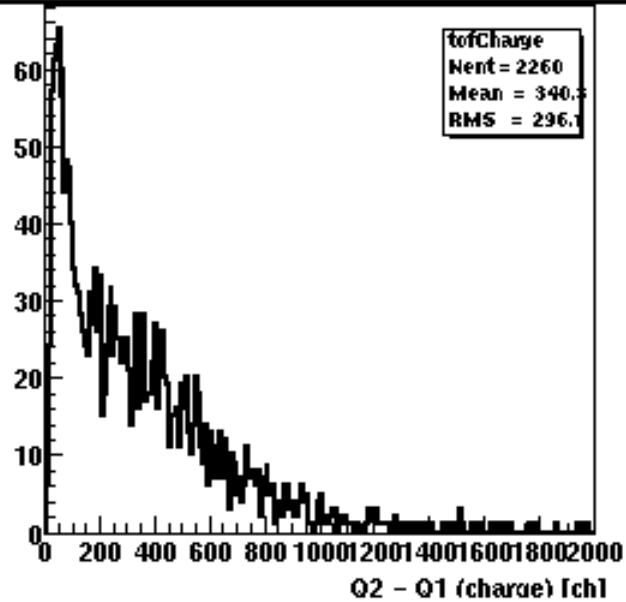
Hit = 1. Fired both PMT in T, Q  
2. Pedestal cut in T, Q



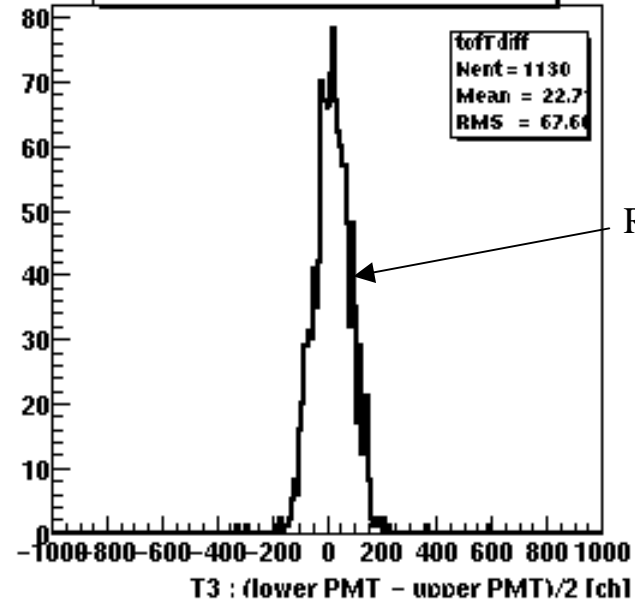
# Timing & Charge distribution



Q2 - Q1 (charge distribution) [10 - 4100]

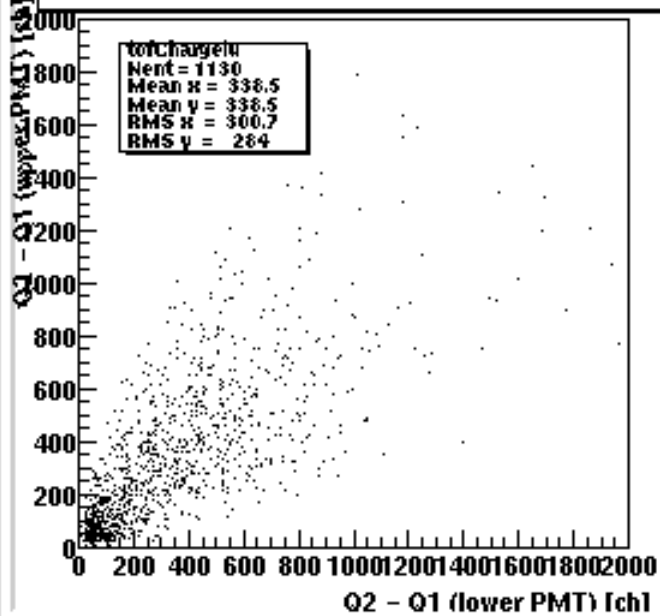


T3 Upper and Lower PMT difference

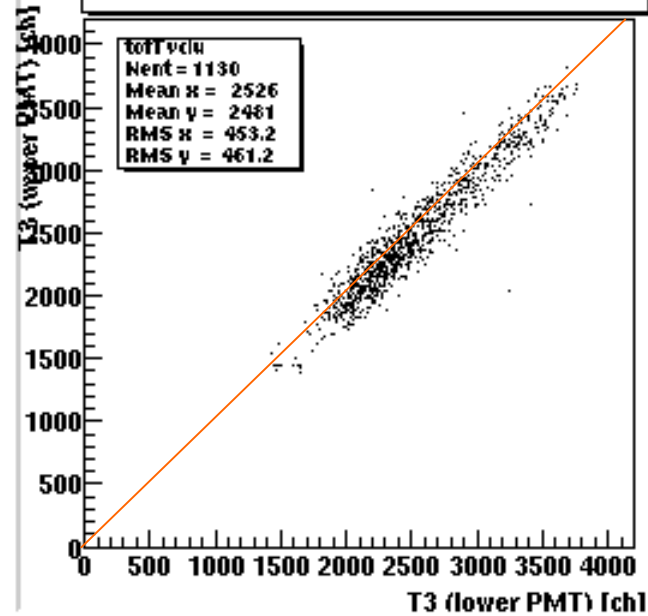


RMS 1.8 nsec

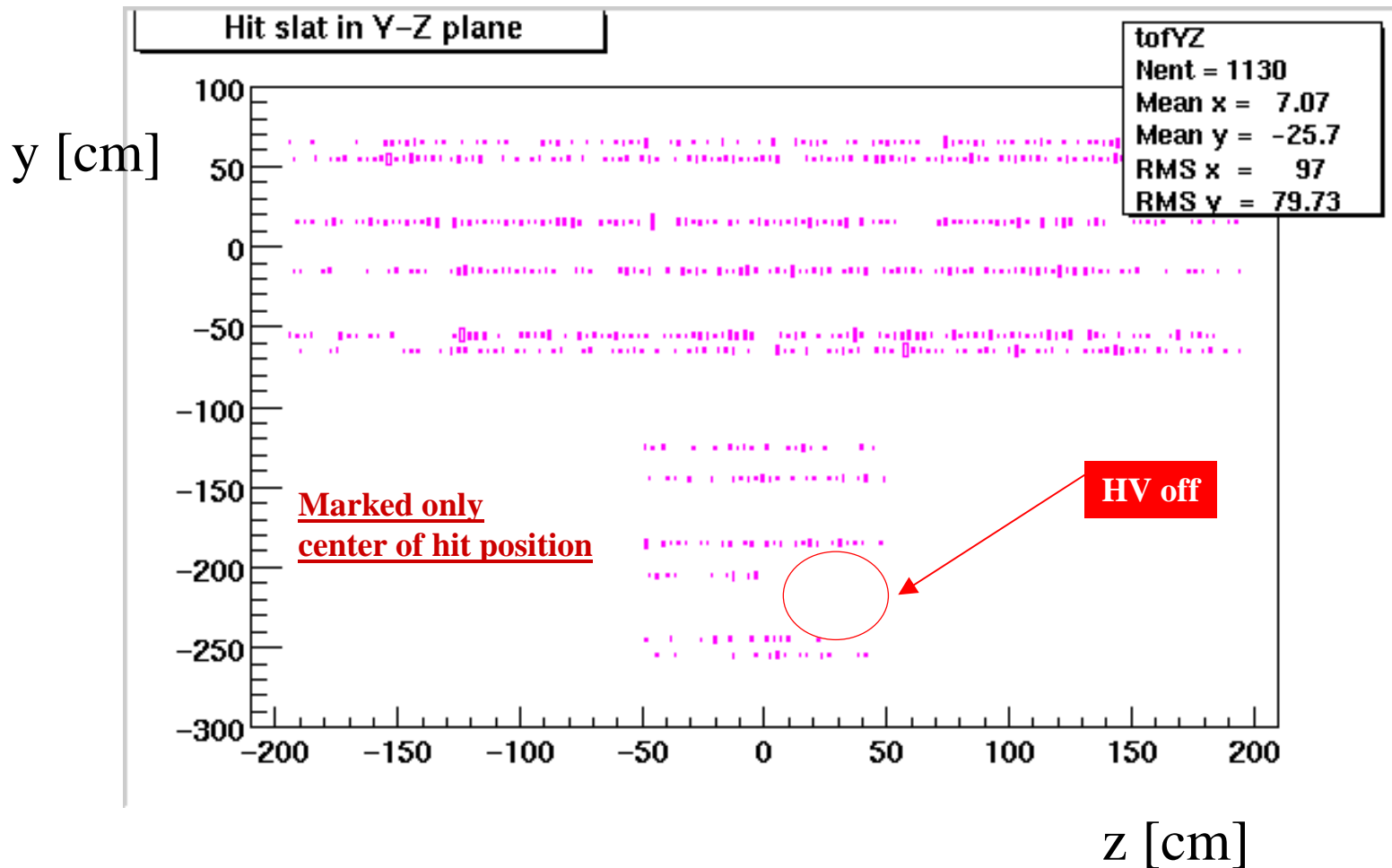
Charge Correlation between Upper and Lower PMT



T3 Correlation between Upper and Lower PMT



# TOF Integrated Hit pattern



# Do list for physics data taking

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- Reduce slat and PMT dependences
  - Signal cable length
  - PMT gain
  - TVC, QVC conversion factor
- Establish laser calibration method using GL1